

Tri-Gas CO₂ Incubator



Introduction:

By simulating the growth environment of microorganisms, tissues and cells, the three-gas incubator provides stable temperature and humidity, carbon dioxide concentration and oxygen concentration, and is widely used for the propagation and cultivation of cells, tissue cultures and some special microorganisms.

Application:

Tri-gas incubator is commonly used in microbial culture, cell dynamics research, collection of mammalian cell secretions, carcinogenic or toxicological effects of various physical and chemical factors, research and production of antigens, cultivation of hybridoma cells to produce antibodies, in vitro fertilization (IVF), stem cells, tissue engineering, drug screening and other research fields.

Features:

- * IR infrared sensor, using dual-channel dual-filter infrared technology.
- * ZrO₂ sensor was used for oxygen concentration information acquisition.
- * The inner tank is designed with fully rounded corners and the surface is made of 304 stainless steel with electrochemical treatment.
- * The bottom water reservoir design eliminates the need for repeated water replenishment, saving time.
- * The water level alarm design alerts the operator to refill water in time, providing more comprehensive protection for the samples.
- * Equipped with a gas switching function, it can connect to two bottles of carbon dioxide gas simultaneously.
- * Equipped with leakage current and over-voltage protectors. Features over-temperature, under-temperature, over-concentration and under-concentration alarms.

Technical Parameters:

Model	BJPX-C80T	BJPX-C160T
Type	Tri-gas series, air jacket	
Sterilization Type	90°C moist heat sterilization	
Capacity	80L	160L
Temp. Sensor	PT100	
Temp. Range	RT+5~60°C	
Temp. Fluctuation	±0.3°C (@37°C)	
Temp. Uniformity	±0.5°C (@37°C)	
Temp. Precision	0.1°C	
Timing Range	0~999h or continuous	
Display	7-inch touch screen	
CO ₂ Control	IR infrared sensor with calibration certificate	
CO ₂ Range	0~20vol%	
CO ₂ Uniformity	0.2vol%	
CO ₂ Control Resolution	0.1vol%	
O ₂ Sensor	ZrO ₂ sensor	
O ₂ Concentration Control Range	3~20vol%/22~85vol%	
Ambient Temperature and Humidity	Ambient temperature: 5~30°C (Recommendation: 25±2°C) Ambient humidity: ≤80%	
Filter	CO ₂ gas filter, HEPA filter	
Power Supply	AC 220V, 50/60Hz (Standard); 110V, 50/60Hz (Optional) (External transformer) Wiring method: plug	
Consumption	750W	800W
Shelves	3pcs, adjustable	
Standard Accessories	Shelves, USB interface, CO ₂ relief valve, O ₂ relief valve, CO ₂ gas filter, water pump, HEPA filter	
Optional Accessory	Three-way connector	
Internal Size(W*D*H)	410*387*505mm	492*497*662mm
External Size(W*D*H)	608*707*785mm	688*797*955mm
Package Size(W*D*H)	732*811*937mm	841*1103*1141mm
Net Weight	65kg	85kg
Gross Weight	85kg	120kg